

Title (en)

Diamond drag bit

Title (de)

Diamant-Frässeissel

Title (fr)

Trépan racleur diamanté

Publication

**EP 0534370 B1 19960515 (EN)**

Application

**EP 92116196 A 19920922**

Priority

US 76401691 A 19910923

Abstract (en)

[origin: EP0534370A1] A diamond drag bit (10) has a multiplicity of diamond cutter inserts (20) secured within strategically positioned insert holes (26) formed by a cutter face (18) of the drag bit body (12). Means are provided for supporting the portion of the cutting end of each of the extended cutter inserts (20) protruding above the bit face. Preferably the support for each insert is provided by a support stud (28) in a hole at the back side of the cutter insert (20). Such a stud (28) has a concave face (29) bonded to the surface of the insert through an angle of 120 DEG and for substantially the full length of the insert above the face of the drag bit (10). <IMAGE>

IPC 1-7

**E21B 10/56**

IPC 8 full level

**E21B 10/56** (2006.01); **E21B 10/573** (2006.01)

CPC (source: EP US)

**E21B 10/573** (2013.01 - EP US)

Cited by

US9771497B2; US10352103B2; WO2007098159A3; WO2015013354A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0534370 A1 19930331**; **EP 0534370 B1 19960515**; DE 69210732 D1 19960620; US 5213171 A 19930525

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